



June 2004

# Final Rule – Effective March 1, 2004

## Long Term 1 Enhanced Surface Water Treatment Rule

### Chapter 246-290 WAC

#### Water Systems Affected

Group A public water systems that use surface water or groundwater under the direct influence of surface water as a source of supply, and serve fewer than 10,000 people.

#### Timelines and Requirements

January 14, 2002

- Federal rule adopted on January 14, 2002, 67 FR 1812, Vol. 67, No. 9 – View online at:

[http://www.access.gpo.gov/su\\_docs/fedreg/a020114c.html](http://www.access.gpo.gov/su_docs/fedreg/a020114c.html)

December 31, 2004

- Disinfection profiles must be completed (the state has completed these profiles on behalf of the water systems).

January 14, 2005

- Filtering water systems must remove 2 log (99 percent) of *Cryptosporidium*.
- Conventional or direct filtration plants must meet new turbidity standards of 0.3 NTU 95 percent of the time and the never-to-exceed treated water turbidity of 1.0 NTU. Water systems meeting these turbidity limits are considered to provide 2 log *Cryptosporidium* removal.
- Slow sand and diatomaceous earth filters meeting standards of the current Surface Water Treatment Rule are considered compliant with the new 2 log *Cryptosporidium* removal requirement.
- Monitoring of individual filter turbidities with recording at least every 15 minutes of individual filter turbidity for conventional or direct filtration plants. Water systems subject to Long Term One Enhanced Surface Water Treatment Rule with only two filters may elect to monitor and record results from the combined filter effluent.
- Treatment technique violations are attributable to the combined filter effluent, not to the individual filter performance.
- Water systems meeting criteria to remain unfiltered must additionally address *Cryptosporidium* in their Watershed Protection Program Plan.

<b>Purpose of Rule Change</b>	To improve public health through enhanced control of microbial contaminants, particularly <i>Cryptosporidium</i> . The enhanced controls are similar to requirements surface water systems serving 10,000 or more people were required to meet starting January 2002.	
<b>Public Health Benefit</b>	<ul style="list-style-type: none"> <li>• Increased protection against gastrointestinal illnesses from <i>Cryptosporidium</i> and other pathogens through improvements in filtration.</li> <li>• Reduced likelihood of endemic illness from <i>Cryptosporidium</i>.</li> <li>• Reduced likelihood of outbreaks of <i>Cryptosporidiosis</i>.</li> </ul>	
<b>Rule Development Timeline</b>	March 2003 June - September 2003 January 2004 March 1, 2004	Draft regulation prepared Stakeholder comment period Public hearing and adoption Rule effective date
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